

# JOB ANALYTICS:

## DATA ANALYSIS OF JOB POSTINGS

# Instahyre



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# INTRODUCTION

- **Instahyre** is an advanced **hiring platform** based on artificial intelligence, enabling recruiters to hire top talent effortlessly.
- If you are looking for jobs, Instahyre connects you with curated **opportunities** based on your profile. No fake jobs, no mass emails, and no spamming unlike other platforms.
- Trusted by **10,000+ companies** including Google, Amazon, Flipkart, Microsoft, Uber, Walmart, Swiggy, and more!

# INTRODUCTION

## PROBLEM STATEMENT :

- **Data analysis** of job postings on Instahyre to generate some meaningful **insights** about latest **market trends**.
- To generate **insights** and create a **dynamic dashboard** to help **job seekers** find **most demanding** skills and other useful insights.

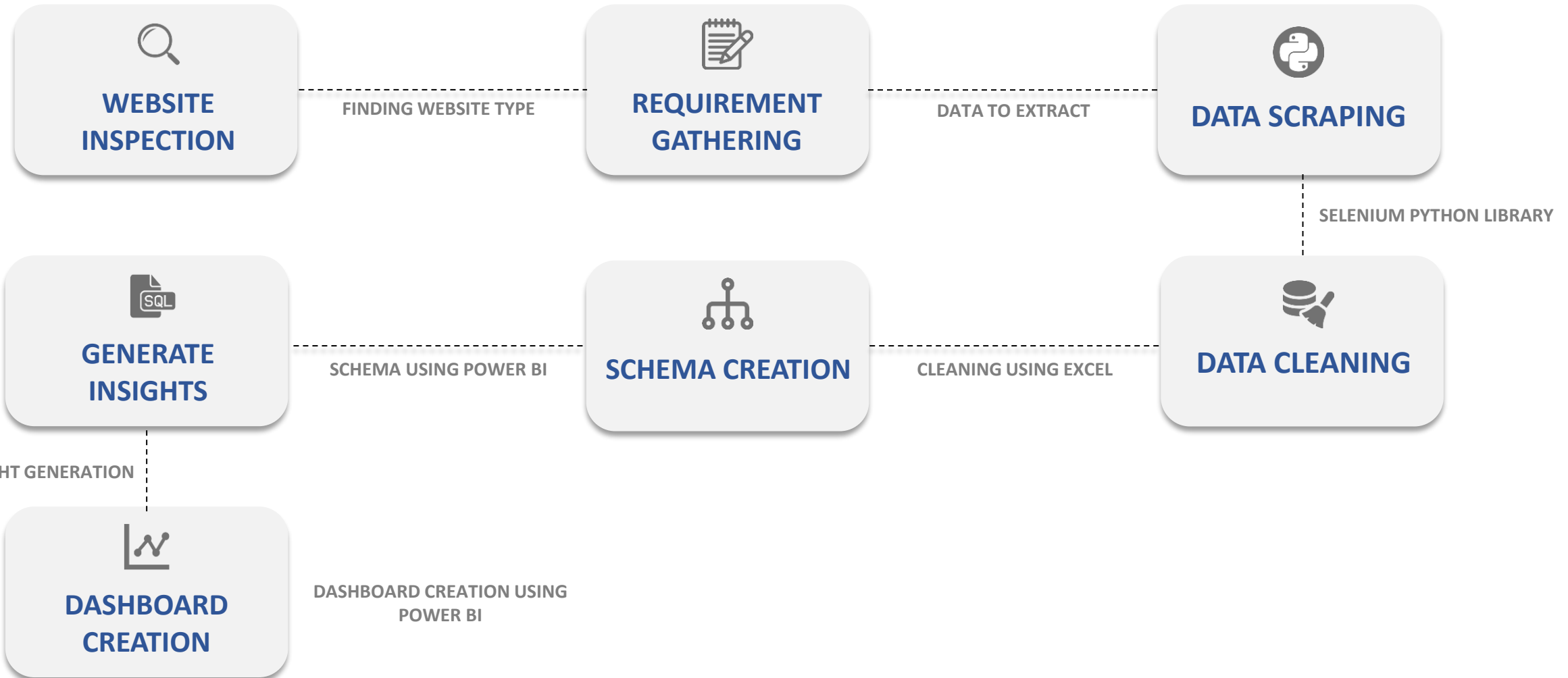
# INTRODUCTION

## OBJECTIVES :

- Most **In-demand skills** in the market.
- **Locations** across India with **most job openings**.
- **Job designations** that are high in **demand**.
- To **analyse** the relationship between **company size** and job openings.
- To create a **dashboard** providing **deep insights** about job postings.



# STRATEGY



# INSIGHTS

## SKILLS WORD CLOUD :

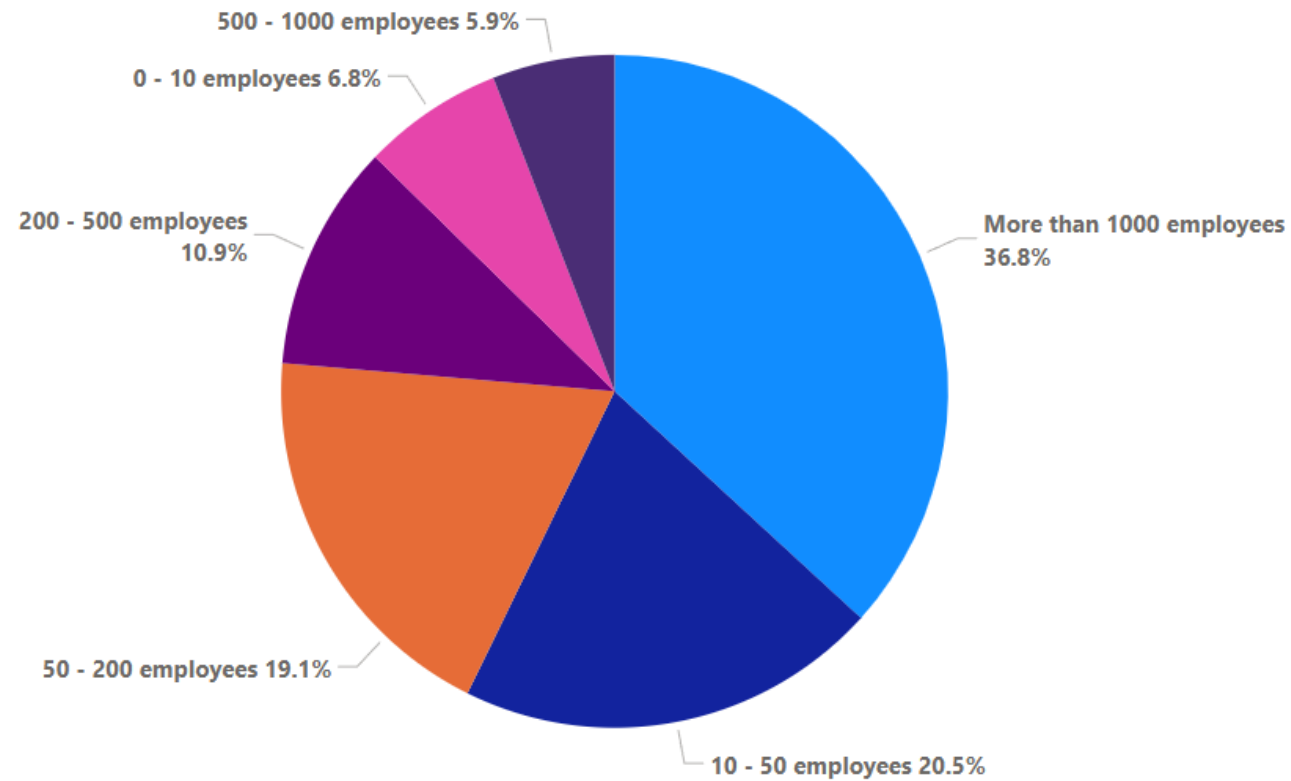


# Instahyre



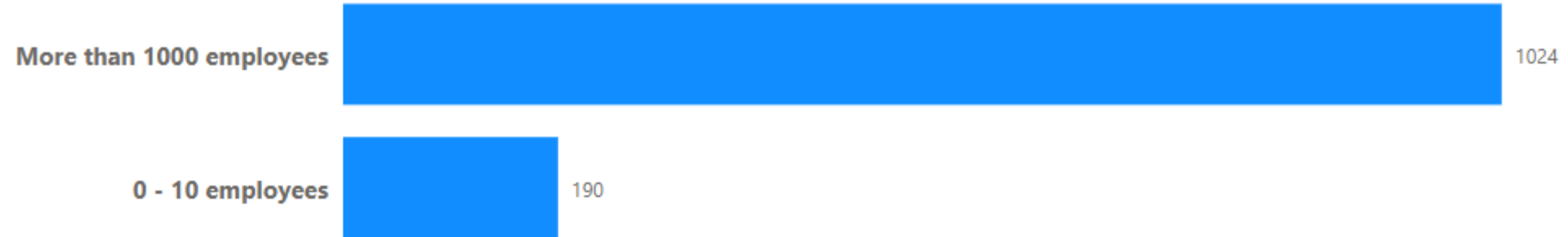
# INSIGHTS

## JOB POSTINGS BY COMPANY SIZE :



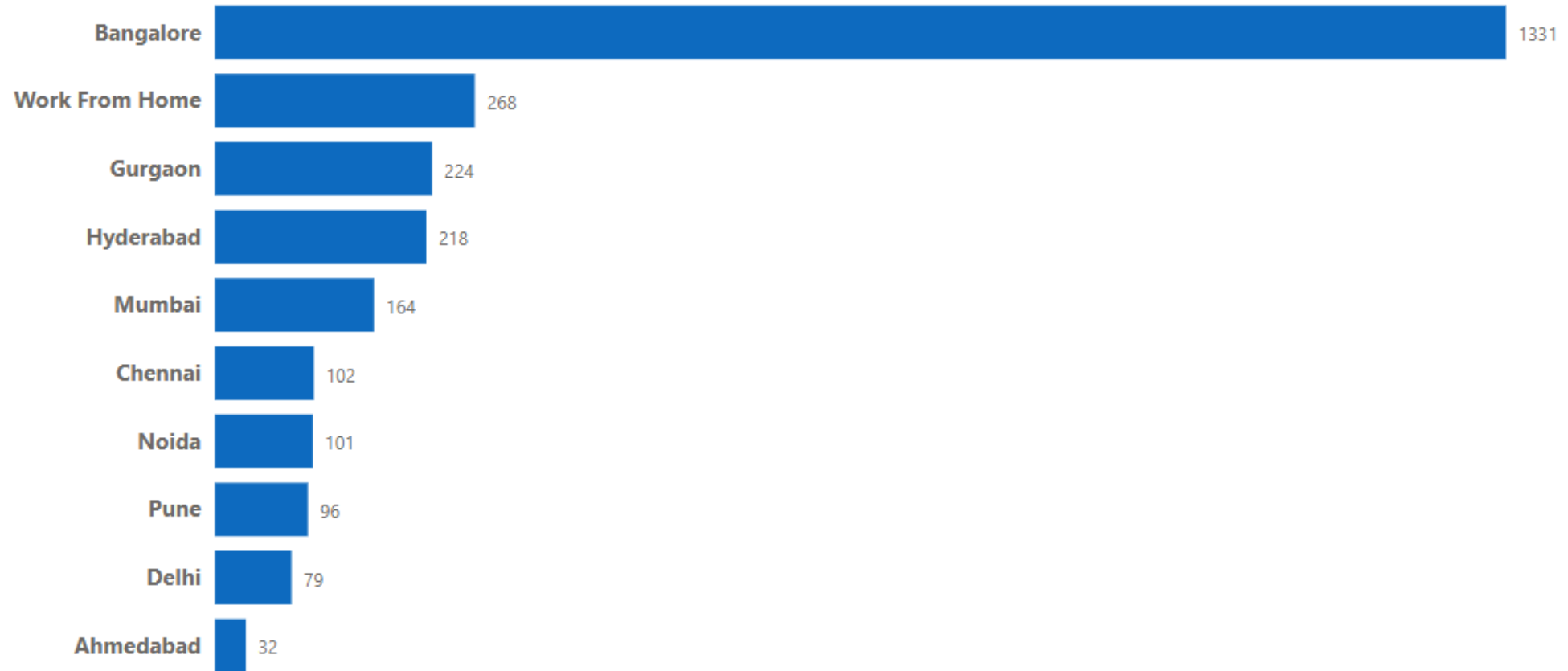
# INSIGHTS

## BIG VS SMALL COMPANIES BY JOB POSTINGS:



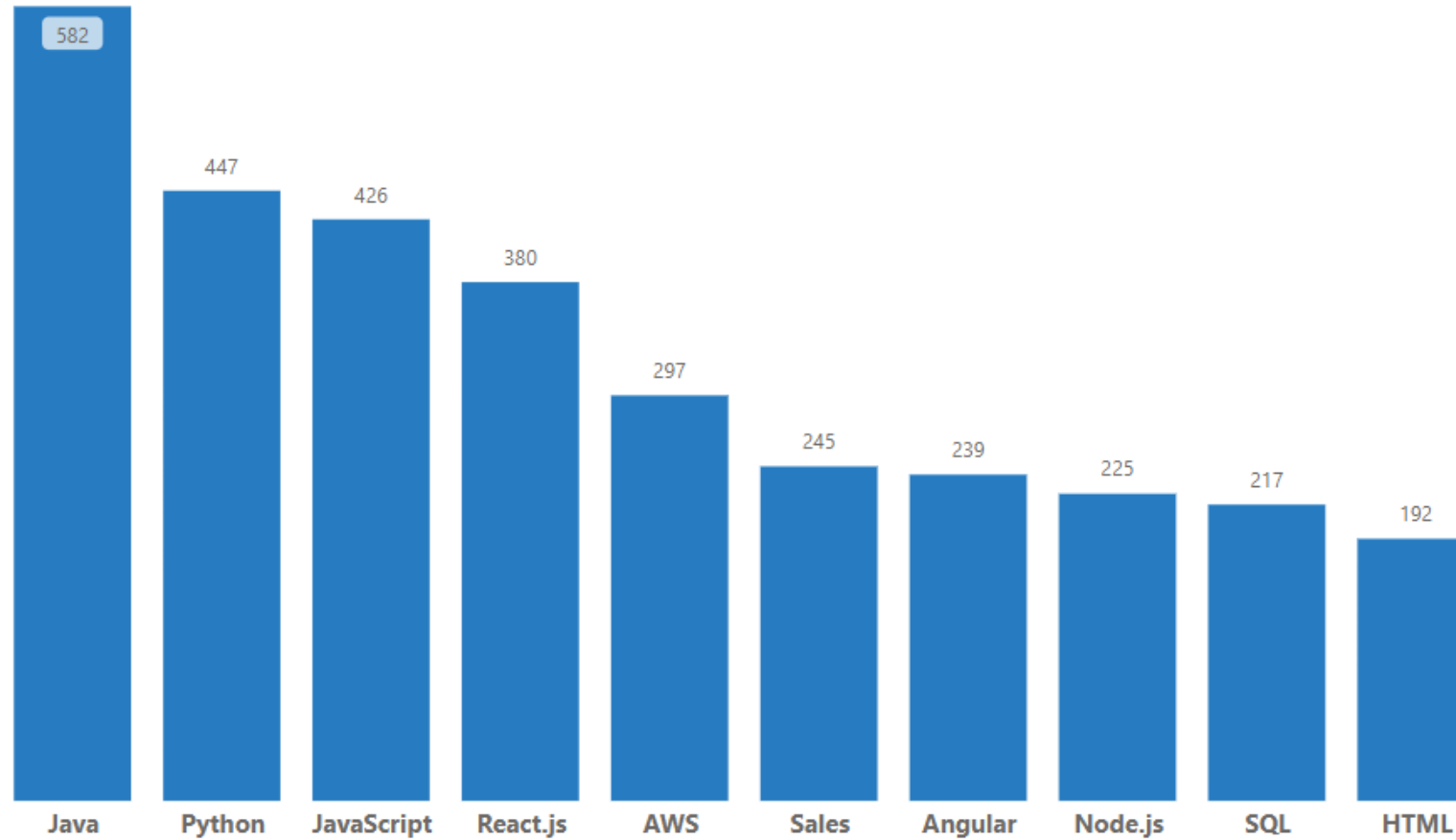
# INSIGHTS

## TOP LOCATIONS BASED ON JOBS AVAILABLE :



# INSIGHTS

## TOP SKILLS BASED ON DEMAND :



# INSIGHTS

## TOP 10 COMPANIES BASED ON MOST JOBS :

```
SELECT Company,  
Location,  
count(job.job_id) Count_of_jobs  
from job join company on job.job_ID = company.Job_id  
group by 1,2  
order by 3 desc limit 10;
```

Company	Location	Count_of_jobs
Swimlane	Hyderabad	212
Delta Air Lines	Bangalore	183
GlobalLogic	Bangalore	133
Tekion	Bangalore	125
Capri Global Capital	Gurgaon	97
Walmart Global Tech...	Bangalore	82
BetterPlace	Bangalore	80
Uber	Bangalore	79
Verizon Communicati...	Bangalore	76
Certa	Work From Home	75

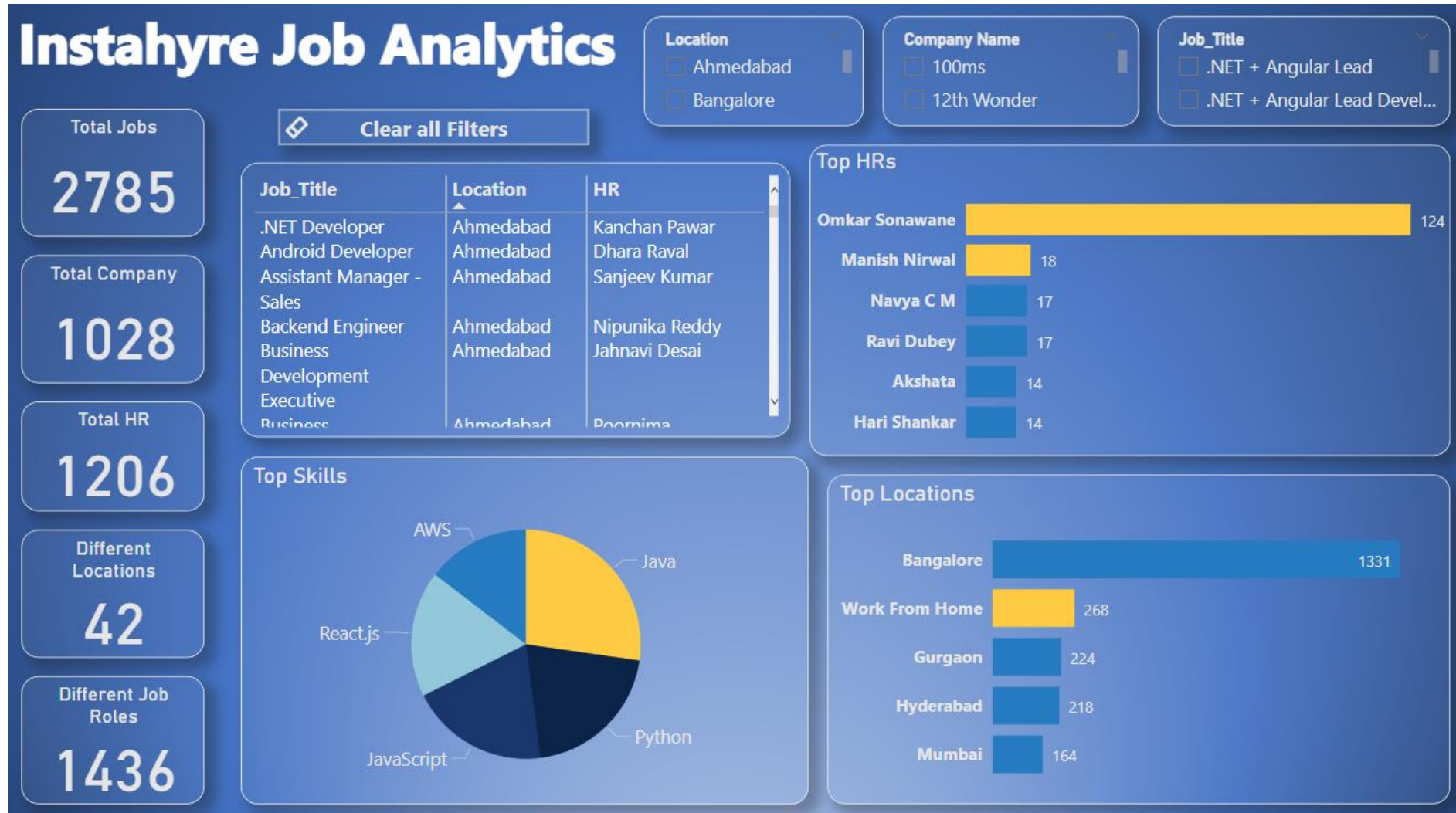
# INSIGHTS

## TOP 10 JOB TITLES BASED ON DEMAND:

```
select Job_title,  
count(Job_id) as Total_job_openings  
from job  
group by 1  
order by 2 desc limit 10;
```

Job_title	Total_job_openings
Senior Software Engineer	64
Data Engineer	38
Software Engineer	38
DevOps Engineer	34
Business Development Executive	32
Full Stack Developer	30
Engineering Manager	29
Java Developer	26
Backend Engineer	25
iOS Developer	24

# POWER BI DASHBOARD



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## UNIQUE FINDINGS

- Companies with 1000+ employees providing **5x** more **job opportunities** as compared to companies with 0-10 employees.
- **Bangalore** has **4x** more job openings as compared to other cities.
- **Java** is the most **In-demand** skill in the market.
- More companies are providing **work from home** opportunities.
- **Senior Software Engineer** is the most demanding job in the market.

## CHALLENGES FACED

- It was a bit **challenging** to scrape the data using **BeautifulSoup** library which made us switch to the **Selenium** python library.
- Website was keep **getting updated** which made us update our python code **many times** over.
- Data **cleaning** was a bit **challenging** task as the **data structure** wasn't upto the mark.
- Less number of **numerical** data was challenging to generate meaningful **insights**.
- **Splitting** of **tables** and making **schema** was also a challenge faced by us.

**THANK YOU!**